

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013937

A. CLASSIFICATION OF SUBJECT MATTER	IPC 7 D21H21/10	D21H17/55	D21H17/56	D21H17/67	D21H17/68
-------------------------------------	-----------------	-----------	-----------	-----------	-----------

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D21H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 40 32 660 A1 (BASF AG, 6700 LUDWIGSHAFEN, DE) 16 April 1992 (1992-04-16) page 3; examples page 3, line 44 – line 48 claims 1,2	1
Y	the whole document	2-5
Y	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 18, 5 June 2001 (2001-06-05) & JP 02 006685 A (AIR PROD AND CHEM INC), 10 January 1990 (1990-01-10) cited in the application abstract	2-5
		-/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

*& document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

22 February 2005

04/03/2005

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax: (+31-70) 340-3016

Authorized officer

Naestlund, P

INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/013937

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 015, no. 503 (P-1290), 19 December 1991 (1991-12-19) & JP 03 218557 A (FUJITSU LTD), 26 September 1991 (1991-09-26) cited in the application abstract -----	1-5

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/013937

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
DE 4032660	A1	16-04-1992		AT 116394 T AU 8646891 A CA 2085348 A1 DE 59104096 D1 WO 9207141 A2 EP 0553135 A1 ES 2067249 T3 FI 931642 A ,B, JP 3176620 B2 JP 6501993 T NZ 240196 A		15-01-1995 20-05-1992 16-04-1992 09-02-1995 30-04-1992 04-08-1993 16-03-1995 13-04-1993 18-06-2001 03-03-1994 26-10-1993
JP 02006685	A	10-01-1990		EP 0331047 A1 FI 890994 A		06-09-1989 05-09-1989
JP 03218557	A	26-09-1991		NONE		